

Generalised combination vehicle (rail/road), magnetic or mechanical side rails and guide rails, magnetic drives, high-speed switches and generalised transport routes (rail/road)

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Abstract of DE3841092

The main transport means (land/air) are cars, rail, local-transport means and aeroplanes. Each of these transport means has particular advantages but also serious disadvantages. The objective of this invention is to develop generalised combination vehicles (rail/road) so that these vehicles have as far as possible all the advantages of the abovementioned individual vehicles whilst avoiding the disadvantages, in particular the intention is for transport with combination vehicles to be generally safe, environmentally friendly, to consume little energy, to be free of stress and independent of weather condition, to occur semi-automatically or even completely automatically and nevertheless to be very fast and flow easily. The objective is achieved by means of structures and devices which permit in particular the horizontal and vertical distances between rail wheels and road wheels to be varied, by means of devices for mechanical and magnetic side rails and guide rails, with as large as possible degree of freedom from derailling, with acceleration and gradient climbing facilities, by means of highly energy-saving magnetic drive systems for rail and road, by means of acutely angled, wear-resistant and even switchless high-speed rail switches which are less prone to faults, and even structures for successive or simultaneous conversion of our existing transport route systems ranging as far as individual traffic light intersections with combined road and rail routes. The application and the use of this invention in the entire transport of the Federal Republic of Germany, of Europe and even throughout the world is immediately sensible... Original abstract incomplete.

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